



Form 1449*	Atty. Docket No.: 400.081US2	Serial No. 09/400,607
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Ty J. Caswell et al.	
	Filing Date: September 20, 1999	Group: 2732

U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<u>T.D.</u>	3,304,372	02/14/1967	Filipowsky et al.	179	002	06/28/63
	3,789,165	01/29/1974	Campanella et al.	179	170.2	04/24/72
	3,904,830	09/09/1975	Every, Sr. et al.	179	18 FH	07/03/72
	3,973,081	08/03/1976	Hutchins	179	1 SA	09/12/75
	3,973,089	08/01/1976	Puckette	179	170	06/25/75
	3,997,732	12/14/1976	Every, Sr. et al.	179	18	09/05/75
	4,074,081	02/14/1978	Humm	179	84	04/08/76
	4,100,377	07/11/1978	Flanagan	179	15 AS	04/28/77
	4,107,471	08/15/1978	Reed	179	15	03/22/77
	4,205,202	05/27/1980	Kahn	370	81	01/18/78
	4,284,850	08/18/1981	Chingelpeel	370	81	01/12/79
	4,295,292	05/27/1980	Kahn	370	81	01/18/78
	4,320,265	03/16/1982	Biggiogera et al.	179	170R	12/21/79
	4,354,273	10/12/1982	Araseki et al.	375	27	06/09/80
	4,377,860	03/22/1983	Godbole	370	84	01/05/81
	4,403,322	09/06/1983	Kato	370	110.1	07/02/81
	4,425,512	01/10/1984	Tomooka et al.	307	138	04/09/82
	4,425,661	01/10/1984	Moses et al.	375	1	09/03/81
	4,445,213	04/24/1984	Baugh et al.	370	94	01/22/82
	4,447,675	05/08/1984	Arntsen et al.	179	84R	10/29/82
	4,476,559	10/09/1984	Brolin et al.	370	110.1	11/09/81
	4,479,195	10/23/1984	Herr et al.	364	900	09/07/82
	4,479,213	10/23/1984	Galand et al.	370	118	07/19/82
	4,495,620	01/22/1985	Steele et al.	370	118	08/05/82
	4,500,987	02/19/1985	Hasegawa	370	60	11/23/82
	4,524,244	06/18/1985	Faggin et al.	179	2 DP	08/05/83
	4,528,425	07/09/1985	Melindo et al.	179	18HB	03/24/83
	4,531,023	07/23/1985	Levine	179	2	08/13/82
	4,534,024	08/06/1985	Maxemchuk et al.	370	85	12/02/82
	4,546,212	10/08/1985	Crowder Sr.	179	2 C	08/13/84
	4,555,599	11/26/1985	Hackett-Jones et al.	179	170	03/09/84
	4,578,537	03/25/1986	Faggin et al.	179	2 DP	08/05/83
	4,587,651	05/06/1986	Nelson et al.	370	88	05/04/83
	4,593,389	06/03/1986	Wurzburg et al.	370	110.1	06/28/84
	4,597,101	06/24/1986	Kishimoto et al.	382	13	06/28/83
	4,598,397	07/01/1986	Nelson et al.	370	110.1	02/21/84
	4,609,788	09/02/1986	Miller et al.	179	170.6	03/01/83
<u>T.D.</u>	4,610,022	09/02/1986	Kitayama et al.	381	36	12/14/82

Examiner <u>DANIEL DUNN</u>	Date Considered <u>8/2/00</u>
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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>FD</i>	4,622,680	11/11/1986	Zinser	375	25	10/17/84
<i>↑</i>	4,629,829	12/16/1986	Puhl et al.	379	58	12/14/84
	4,652,703	03/24/1987	Lu et al.	379	339	03/01/83
	4,653,086	03/24/1987	Laube	379	96	03/15/85
	4,660,218	04/21/1987	Hashimoto	379	93	03/14/85
	4,670,874	06/02/1987	Sato et al.	370	110.1	12/13/84
	4,697,281	09/29/1987	O'Sullivan	379	59	03/14/86
	4,700,341	10/13/1987	Huang	370	80	10/30/85
	4,707,831	11/17/1987	Weir et al.	370	94	10/23/85
	4,718,082	01/05/1988	Parker et al.	378	98	09/18/85
	4,740,963	04/26/1988	Eckley	370	110.1	01/30/86
	4,750,169	06/07/1988	Carse et al.	370	109	03/11/86
	4,751,510	06/14/1988	Desaint Michel et al.	340	825.07	04/24/86
	4,751,736	06/14/1988	Gupta et al.	381	31	01/31/85
	4,757,527	07/12/1988	Beniston et al.	379	410	09/04/85
	4,761,646	08/02/1988	Choquet et al.	340	825.520	05/20/86
	4,764,955	08/16/1988	Galand et al.	379	411	10/16/86
	4,794,595	12/27/1988	Ohyama	370	110.1	05/20/87
	4,807,250	02/21/1989	Tanaka	375	28	10/06/86
	4,809,271	02/28/1989	Kondo et al.	370	111	11/13/87
	4,813,040	03/14/1989	Futato	370	111	10/31/86
	4,827,085	05/02/1989	Yaniv et al.	178	18	01/06/88
	4,835,765	05/30/1989	Bergmans et al.	370	32.1	01/12/87
	4,839,802	06/13/1989	Wonak et al.	364	200	11/19/86
	4,845,746	07/04/1989	Li	379	411	06/23/87
	4,847,900	07/11/1989	Wakim	379	424	05/02/88
	4,862,449	08/29/1989	Hoefkens et al.	370	32.1	11/16/87
	4,864,559	09/05/1989	Perlman	370	60	09/27/88
	4,866,732	09/12/1989	Carey et al.	375	1	01/15/86
	4,873,715	10/10/1989	Shibata	379	93	06/08/87
	4,887,265	12/12/1989	Felix	370	94.1	03/18/88
	4,890,282	12/26/1989	Lambert et al.	370	79	03/08/88
	4,890,316	12/26/1989	Walsh et al.	379	98	10/28/88
	4,901,333	02/13/1990	Hodgkiss	375	098	03/16/87
	4,905,282	02/27/1990	Mcglynn et al.	380	48	10/19/88
	4,912,756	03/27/1990	Hop	379	60	04/07/89
	4,912,758	03/27/1990	Arbel	379	388	10/26/88
<i>FD</i>	4,914,650	04/03/1990	Sriram	370	60	12/06/88

Examiner <i>D.M.V. DIV</i>	Date Considered <i>8/2/00</i>
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Sheet 3 of 11

Form 1449*

Atty. Docket No.: 400.081US2

Serial No. 09/406607

INFORMATION DISCLOSURE STATEMENT
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Applicant: Ty J. Caswell et al.

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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<u>F.D</u>	4,926,448	05/15/1990	Kraul et al.	375	121	09/09/88
↑	4,932,048	06/05/1990	Kenmochi et al.	379	67	09/05/89
	4,935,954	06/19/1990	Thompson et al.	379	89	12/28/88
	4,942,569	07/17/1990	Maeno	370	60	02/24/89
	4,953,210	08/28/1990	Mcglynn et al.	380	48	02/22/90
	4,965,789	10/23/1990	Bottau et al.	370	79	10/23/90
	4,972,457	11/20/1990	O'Sullivan	379	59	01/19/89
	4,972,462	11/20/1990	Shibata	379	89	09/27/88
	4,972,483	11/20/1990	Carey	381	31	09/23/88
	4,977,591	12/11/1990	Chen et al.	379	410	11/17/89
	4,991,169	02/05/1991	Davis et al.	370	77	08/02/88
	4,995,059	02/19/1991	Ishikawa	375	27	12/23/88
	4,998,241	03/05/1991	Brox et al.	370	32.1	12/01/89
	5,001,710	03/19/1991	Gawrys et al.	370	110.1	10/24/89
	5,001,745	03/19/1991	Pollock	379	096	11/03/88
	5,005,183	04/02/1991	Carey et al.	375	1	09/07/89
	5,008,901	04/16/1991	Wallach et al.	375	8	10/29/87
	5,008,926	04/16/1991	Misholi	379	89	07/17/86
	5,014,232	05/07/1991	Andre	364	724.19	04/07/89
	5,020,058	05/28/1991	Holden et al.	370	109	01/23/89
	5,025,443	06/18/1991	Gupta	370	76	04/28/89
	5,036,513	07/30/1991	Greenblatt	370	125	06/21/89
	5,044,010	08/27/1991	Frenkiel et al.	379	61	03/29/90
	5,046,188	09/03/1991	Molnar	379	94	02/21/89
	5,051,720	09/24/1991	Kittirutsunetorn	340	310	11/13/89
	5,054,055	10/01/1991	Hanle et al.	379	142	04/26/90
	5,062,133	10/29/1991	Melrose	379	94	07/07/89
	5,065,425	11/12/1991	Lecomte et al.	379	93	12/26/89
	5,081,647	01/14/1992	Bremer	375	38	01/06/89
	5,083,310	01/21/1992	Drory	381	30	11/14/89
	5,086,471	02/04/1992	Tanaka et al.	381	36	06/29/90
	5,099,472	03/24/1992	Townsend et al.	370	32.1	04/26/90
	5,107,519	04/21/1992	Ishikawa	375	27	10/30/89
	5,115,429	05/19/1992	Hluchy et al.	370	84	08/02/90
	5,121,385	06/09/1992	Tominaga et al.	370	80	09/14/89
	5,127,001	06/30/1992	Steagall et al.	370	62	06/22/90
↓	5,127,041	06/30/1992	O'Sullivan	379	59	06/01/90
<u>F.D</u>	5,130,985	07/14/1992	Kondo et al.	370	94.1	11/21/89

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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
<u>F-D</u>	5,132,966	07/21/1992	Hayano et al.	370	79	03/23/90
<u>↑</u>	5,136,586	08/04/1992	Greenblatt	370	110.4	12/04/89
	5,138,662	08/11/1992	Amano et al.	381	36	04/13/90
	5,146,470	09/08/1992	Fujii et al.	375	103	09/28/90
	5,150,410	09/22/1992	Bertrand	370	62	04/11/91
	5,151,937	09/29/1992	Chujo et al.	379	410	07/12/90
	5,153,897	10/06/1992	Sumiyoshi et al.	375	8	09/27/89
	5,162,812	11/10/1992	Aman et al.	375	34	10/11/91
	5,164,982	11/17/1992	Davis	379	96	09/27/90
	5,177,734	01/05/1993	Cummiskey et al.	370	32.1	12/10/90
	5,182,762	01/26/1993	Shirai et al.	375	122	01/31/91
	5,187,591	02/16/1993	Guy et al.	358	425	01/24/91
	5,187,692	02/16/1993	Haneda et al.	367	135	03/20/92
	5,193,110	03/09/1993	Jones et al.	379	94	10/09/90
	5,195,130	03/16/1993	Weiss et al.	379	90	10/05/90
	5,206,900	04/27/1993	Callele	379	142	05/31/91
	5,208,812	05/04/1993	Dudek et al.	370	100.1	01/26/90
	5,208,850	05/04/1993	Kino	379	88	08/05/91
	5,214,656	05/25/1993	Chung et al.	371	43	12/13/90
	5,228,026	07/13/1993	Albrow et al.	370	29	01/26/90
	5,233,660	08/03/1993	Chen	381	38	09/10/91
	5,235,595	08/10/1993	O'Dowd	370	94.1	01/06/89
	5,247,591	09/21/1993	Baran	382	61	10/10/90
	5,249,218	09/28/1993	Sainton	379	59	04/06/92
	5,258,983	11/02/1993	Lane et al.	370	118	12/18/91
	5,261,027	11/09/1993	Taniguchi et al.	395	2	12/28/92
	5,263,019	11/16/1993	Chu	370	32.1	02/19/92
	5,272,695	12/21/1993	Makino et al.	370	32	09/09/91
	5,276,703	01/04/1994	Budin et al.	375	1	01/13/92
	5,278,900	01/11/1994	Van Gerwen et al.	379	410	04/04/91
	5,282,197	01/25/1994	Kreitzer	370	76	05/15/92
	5,283,638	02/01/1994	Engberg et al.	348	14	04/25/91
	5,283,819	02/01/1994	Glick et al.	379	90	04/25/91
	5,289,539	02/22/1994	Maruyama	379	410	09/12/91
	5,295,136	03/15/1994	Ashley et al.	370	32.1	04/13/92
	5,297,203	03/22/1994	Rose et al.	380	9	01/06/93
<u>↓</u>	5,301,246	04/05/1994	Archibald et al.	380	23	07/29/92
<u>F-D</u>	5,305,312	04/19/1994	Fornek et al.	370	62	02/07/92

Examiner: <u>DHVL</u> <u>TDV</u>	Date Considered: <u>8/2/00</u>
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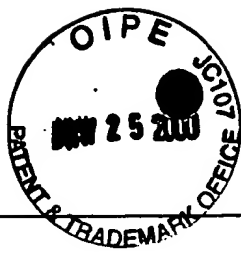
U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
<u>T.D.</u>	5,307,413	04/26/1994	Denzer	380	49	07/19/91
	5,309,562	05/03/1994	Li	395	200	08/19/91
	5,313,498	05/17/1994	Sano	375	103	06/15/92
	5,317,604	05/31/1994	Osterweil	375	122	12/30/92
	5,319,682	06/07/1994	Clark	375	122	12/09/91
	5,327,520	07/05/1994	Chen	395	2.28	06/04/92
	5,329,472	07/12/1994	Sugiyama	364	724.19	10/22/93
	5,341,374	08/23/1994	Lewen et al.	370	85.4	03/01/91
	5,343,473	08/30/1994	Cidon et al.	370	85.6	08/07/92
	5,343,521	08/30/1994	Jullien et al.	379	410	08/20/90
	5,347,572	09/13/1994	Avni	379	100	09/05/91
	5,355,365	10/01/1994	Bhat et al.	370	85.13	03/31/93
	5,355,406	10/11/1994	Chencinski et al.	379	88	03/01/93
	5,365,577	11/15/1994	Davis et al.	379	96	05/01/92
	5,371,853	12/06/1994	Kao et al.	395	2.32	10/28/91
	5,377,260	12/27/1994	Long	379	95	12/05/91
	5,379,340	01/03/1995	Overend et al.	379	93	08/02/91
	5,381,412	01/10/1995	Otani	370	84	09/11/92
	5,384,780	01/24/1995	Lomp et al.	370	94.1	05/14/93
	5,388,150	02/07/1995	Schneyer et al.	379	67	07/28/92
	5,390,239	02/14/1995	Morris et al.	379	93	03/17/94
	5,390,250	02/14/1995	Janse et al.	379	410	12/17/91
	5,402,474	03/28/1995	Miller et al.	379	93	04/11/94
	5,406,557	04/11/1995	Baudion	370	61	02/01/93
	5,406,560	04/11/1995	Kondo et al.	370	94.1	08/05/91
	5,408,401	04/18/1995	Miyazaki	363	21	10/30/91
	5,414,773	05/09/1995	Handelman	380	49	09/15/93
	5,414,796	05/09/1995	Jacobs et al.	395	2.3	01/14/93
	5,416,776	05/16/1995	Panzarella et al.	370	85.11	05/27/94
	5,425,089	06/13/1995	Chan et al.	379	183	01/27/92
	5,438,614	08/01/1995	Rozman et al.	379	93	05/25/94
	5,440,547	08/08/1995	Easki et al.	370	60	01/05/94
	5,440,698	08/08/1995	Sindhu et al.	395	200.08	04/29/94
	5,444,770	08/22/1995	Davis et al.	379	99	11/30/93
	5,448,555	09/05/1995	Bremer et al.	370	20	06/14/93
	5,452,289	09/19/1995	Sharma et al.	370	32.1	01/08/93
	5,463,616	10/31/1995	Kruse et al.	370	24	06/21/94
<u>T.D.</u>	5,465,267	11/07/1995	Todoroki	375	279	12/30/93

Examiner <u>DAVIS DM</u>	Date Considered <u>9/2/00</u>
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<u>T.D.</u>	5,471,470	11/28/1995	Sharma et al.	370	81	08/11/94
↑	5,472,351	12/05/1995	Greco et al.	439	353	10/06/93
	5,473,676	12/05/1995	Frick et al.	379	99	08/08/94
	5,479,407	12/26/1995	Ko et al.	370	94.1	01/24/94
	5,479,475	12/26/1995	Grob et al.	379	58	11/15/93
	5,483,576	01/09/1996	Staples	379	58	06/01/95
	5,490,060	02/06/1996	Malec et al.	364	401	11/13/90
	5,493,609	02/20/1996	Winseck Jr. et al.	379	96	07/07/94
	5,515,398	05/07/1996	Walsh et al.	375	222	03/15/94
	5,521,975	05/28/1996	Hashimoto	379	382	08/11/94
	5,526,423	06/11/1996	Ohuchi et al.	379	67	03/22/94
	5,535,204	07/09/1996	Li	370	76	10/25/93
	5,546,448	08/13/1996	Caswell et al.	379	142	11/10/94
	5,600,649	02/04/1997	Sharma et al.	370	435	09/14/95
	5,631,745	05/20/1997	Wong et al.	358	434	11/07/94
	5,644,629	07/01/1997	Chow	379	142	04/27/95
	5,675,640	10/07/1997	Tappert et al.	379	373	05/19/95
	5,699,410	12/16/1997	Imamura et al.	379	67	06/21/95
	5,699,417	12/16/1997	Khojasteh	379	142	04/21/95
	5,699,418	12/16/1997	Jones	379	142	03/22/96
	5,745,558	04/28/1998	Richardson, Jr. et al.	379	189	10/27/95
	6,009,082	12/28/1999	Caswell et al.	370	276	11/10/94
↓	H1,413	02/07/1995	Gunn	375	8	01/08/93
<u>T.D.</u>	Re. 34,034	08/18/1992	O'Sullivan	379	59	09/29/89

FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
<u>T.D.</u>	02034077	02/05/1990	Japan	H04M	1/66	
↑	03009643	01/17/1991	Japan	H04M	1/66	
	03153152	07/01/1991	Japan	H04M	3/42	
	03162052	07/12/1991	Japan	H04M	1/66	
	03237853	10/23/1991	Japan	H04M	3/38	
	03280797	12/11/1991	Japan	H04Q	5/00	
	0364866	04/25/1990	European	H04L	5/16	
	04319847	11/10/1992	Japan	H04M	3/42	
	0429054	05/29/1991	European	H04L	29/06	
↓	0443548	08/28/1991	European	G10L	9/14	
<u>T.D.</u>	0488685	06/03/1992	European	H04Q	11/04	

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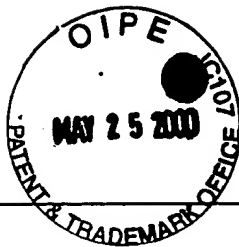
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a	Invention Number	Date	Country	Class	Subclass	Translation
No						Yes
<u>T.D</u>	0488865	06/03/1992	European	E01F	9/01	
<u>↑</u>	0510411	10/28/1992	European	H04M	3/42	
	0526104	02/03/1993	European	H04L	12/56	
	0581528	02/02/1994	European	G06F	1/00	
	0582537	02/09/1994	European	H04L	29/06	
	0614305	09/07/1994	European	H04N	1/00	
	0630141	12/21/1994	European	H04M	3/42	
	0650286	04/26/1995	European	H04M	11/06	
	193489	07/31/1990	Japan	Abstract		
	2104701	07/09/1994	Canada	H04L	5/22	
	2210237	06/01/1989	Great Britain	H04L	5/12	
	2260670	04/21/1993	Great Britain	H04M	1/66	
	2268663	01/12/1994	Great Britain	H04M	1/57	
	257748	10/18/1990	Japan	Abstract		
	3162052	07/12/1991	Japan	H04M	1/66	
	3490532	04/06/1989	Germany	H04M	11/00	
	3504064	08/07/1986	Germany	G08C	21/00	
	3630469	03/10/1988	Germany	G06F	3/03	
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	91/07044	05/16/1991	PCT	H04M	11/00	
	91/15067	10/03/1991	PCT	H04K	1/00	
	92/06550	04/16/1992	PCT	H04M	11/00	
	92/20028	11/12/1992	PCT	G06F	12/10	
	93/11643	06/10/1993	PCT	H04N	11/00	
<u>↓</u>	93/22869	11/11/1993	PCT	H04M	11/00	
<u>T.D</u>	94/26056	11/10/1994	PCT	H04M	11/00	

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<u>↑</u>	Bellcore Technical Reference TR-NWT-000030, Issue 2, (Oct. 1992)
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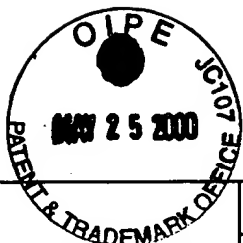
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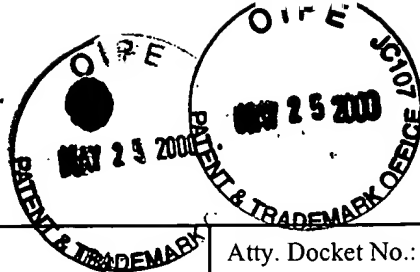
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